

Technical Datasheet – Nitril NBR Cellularrubber

Properties	Test Method	Unit	Tolerance	Value
Specifications, Standards	ASTM 1056-07			2 B2 A1 B2 C M P2
	NF R 99211-80 / Renault 03-10-102 / PSA B67 1016			5C 08 B4 C2
	FMVSS 302 (49 CFR Ch. V § 571.302) / ISO 3795			Conforme / pass / entsprechend e ≥ 2mm
	UL 94			e ≥ 2mm HF1
Density	ISO 845	kg/m ³	±20	150
Hardness	ASTM D 2240	SHORE 00		40 - 55
	SRIS 0101	ASKER C		16 *
Compression – Deflection	ASTM D 1056-07	kPa	á 25%	45kPa / 35 - 65kPa
	NF R 99211-80	kPa	á 50%	120kPa / 80 - 160kPa
Compression set	ASTM D 1056-07 22h / 50% 23° C	%	19% *	≤ 25%
	NF R 99211-80 22h / 50% 40° C	%	47% *	≤ 60%
Vacuum Water absorption	ASTM D 1056-07	%	2% *	≤ 5%
Accelerated ageing	ISO 188 Dimensional change	%	-6.5% *	-8% / 0%
	ASTM D 1056-07 Change of compression resistance	%	-5% *	-30 / +30%
Dimensional stability	FORD WSK-M2D419-A Change of dimension after 3hrs. at 80° C	%	-2% *	-5% / 0%
Ultimate elongation	ISO 1798	%		150% *
Tensile strength	ISO 1798	kPa		1000
Tear resistance	ISO 34-1 (B-a) / ASTM D624 DIE C	kN/m		3.3
Ozone resistance	ISO 1431-1 20% elongation / 40° C / 200 pphm		>336hrs.	No cracking
Temperature range	7 days	° C	Constant	-40° C / +90° C
	5 hrs.	° C	Intermittent	+110° C
Block size 2 skins				2000 (±3%) x 1000 x 56 ±2mm
Environmental protection	(EC) N° 1907/2006 (REACH)_2000/53/ EC_2011/65/EU(ROHs)_IMDS_GADSL_CFC free			Recyclable